



The Great Salt Lake at a Glance

Natural Resources, Agriculture & Environment Committee

June 19, 2019

John C. Fremont – 9/3/1843



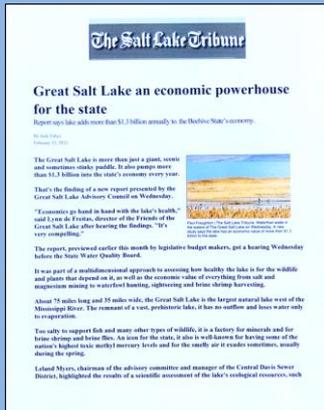
“The whole morass was animated with multitudes of waterfowl which appeared to be very wild – rising for the space of a mile around about at the sound of a gun with a noise like distant thunder”



The Great Salt Lake What's Good for The Birds...

Is Good for...

- The salt and fertilizer industries
- The magnesium industry
- The brine shrimp industry
- The tourist industry



1.3 Billion annually for Utah's Economy



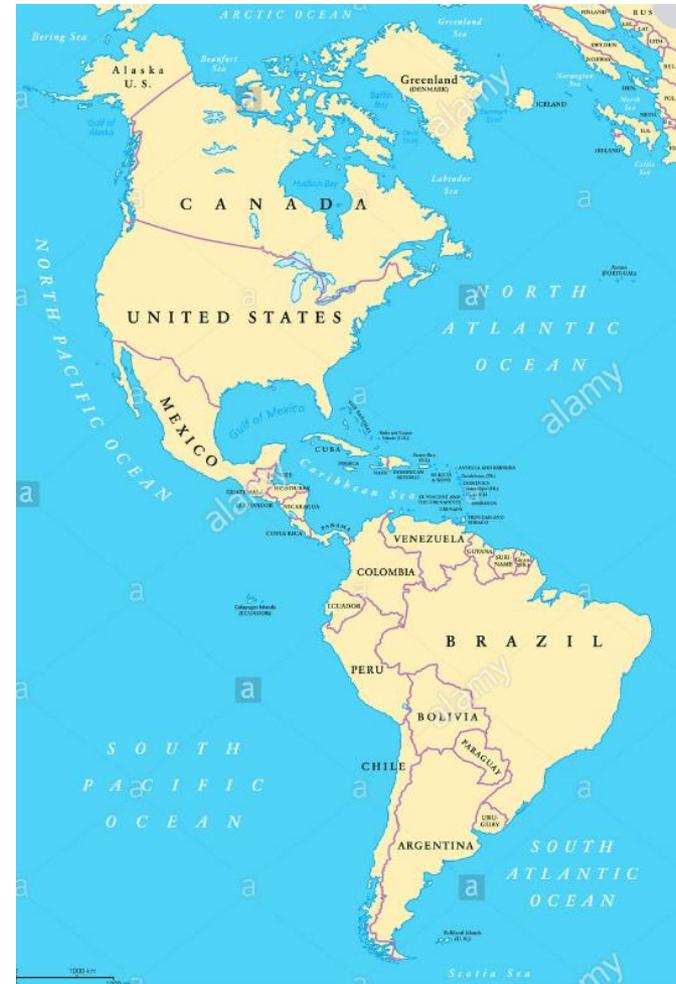
Birds of the Great Salt Lake



The Great Salt Lake

*One of the most significant natural
areas in North America*

| Numbers | Species | % of World's Population |
|----------------|------------------------|-------------------------------------|
| 600,000 | Wilson's Phalarope | 40% world's population |
| 20,000 | White-faced Ibis | 20% world's population |
| 252,000 | American Avocet | 56% world's population |
| 1,369,000 | Eared Grebe | 37% world's population |
| 54,000 | Marbled Godwit | 27% world's population |
| 56,000 | American White Pelican | 31% world's population |
| 149,000 | Franklin's Gull | 10% continental US population |
| 13,200 | Snowy Plover | 75% interior US population |
| 160,000 | California Gull | world's largest breeding population |
| 400 | American Bald Eagle | winter on GSL |



*The Great Salt Lake – One of only 23
Western Hemisphere Shorebird Reserves*



Great Salt Lake: 32 Years, 53 Transactions, over 11,000 acres



Great Salt Lake Shorelands Preserve

44 transactions = 4,736 acres
Over \$25 million invested in public
and private funds since 1984

The Nature Conservancy 



GREAT SALT LAKE

SHORELANDS
PRESERVE



GSL Shorelands Preserve Visitor Center
Dedicated June 18, 2004



Wings & Water Wetlands Education Program



Wings & Water: Over 20,000 4th Graders Learn About the GSL



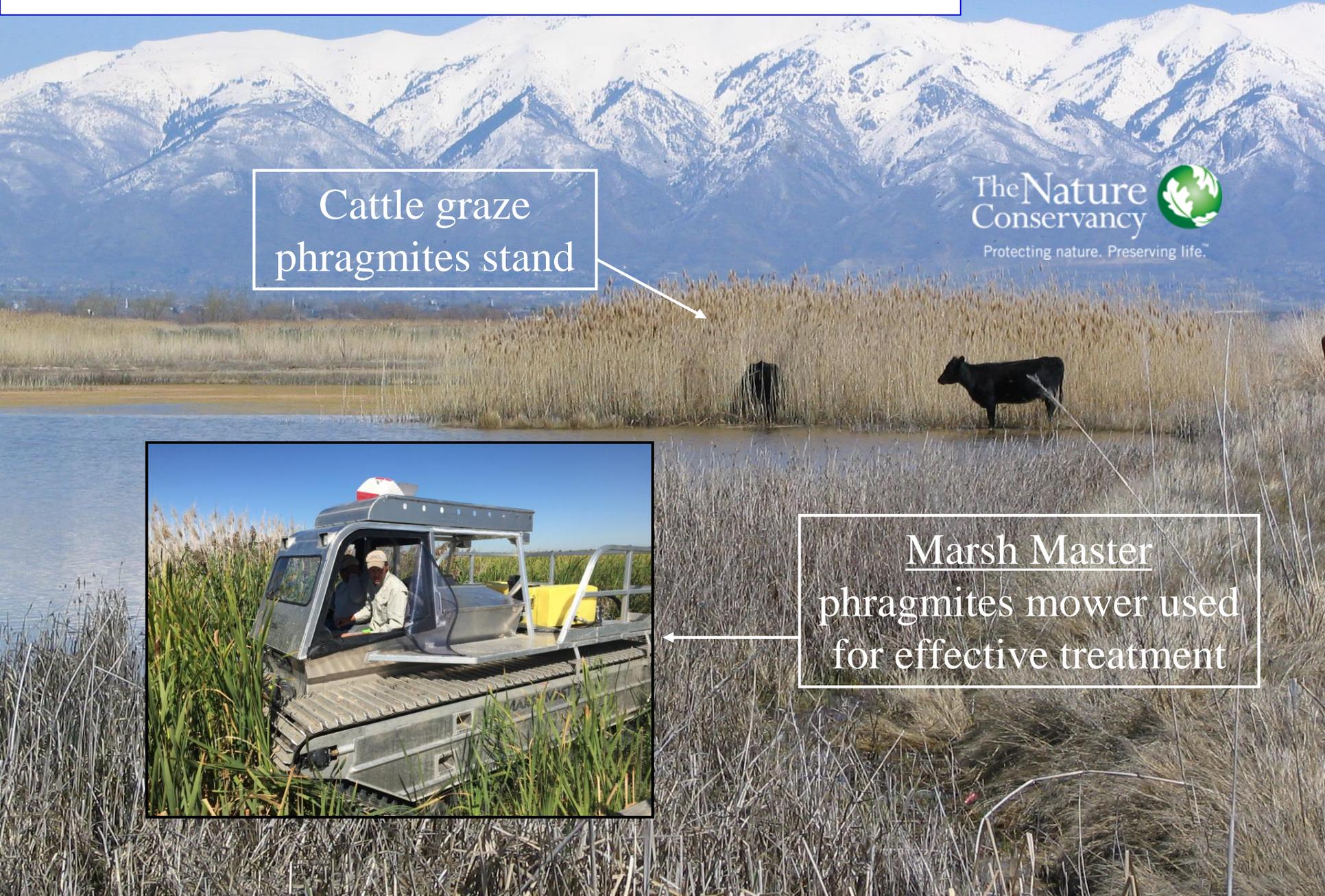


Jane Goodall – Great Salt Lake Shorelands Preserve - 2007

Shorelands Preserve Invasives Control



Cattle graze
phragmites stand



Marsh Master
phragmites mower used
for effective treatment





Many Uses: Hunting, Recreation, Brine Shrimp, Salt Harvest etc.





ERIN HOOLEY/Standard-Examiner

Gov. Jon Huntsman (center) announces the creation of the Great Salt Lake Advisory Council on Monday at Antelope Island State Park. From left: Corey Milne, Dave Livermore, Bill Fenimore, state Sen. Dan Eastman, Don Leonard, Huntsman, Neka Roundy, Leland Myers, Lynn DeFreitas and Dr. Bonnie Baxter. Their affiliations are listed in the accompanying box.

Governor acts to preserve Great Salt Lake



Great Salt Lake Advisory Council

- State Sen. Dan Eastman
- Rep. Ben Ferry
- Neka Roundy, Kaysville mayor, Davis County Economic Development
- Colleen Johnson, Tooele County commissioner
- Bill Fenimore, Wild Bird Center owner

By LORETTA PARK

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ANTELOPE ISLAND — Newly appointed members of the Great Salt Lake Advisory Council say they have a big job ahead of them.



Governor Huntsman proclamation est. GSL Advisory Council 8/26/2008
HB 343 formally creates GSLAC, 6/30/2010



“The Great Salt Lake Advisory Council is playing a vital role in balancing the many uses of the Great Salt Lake. Now is the time to ensure this valuable natural treasure is protected for future generations.”
- Governor Gary Herbert



Table 10. Current Overall Health of Eight Ecological Targets for Great Salt Lake Summarized by Bay

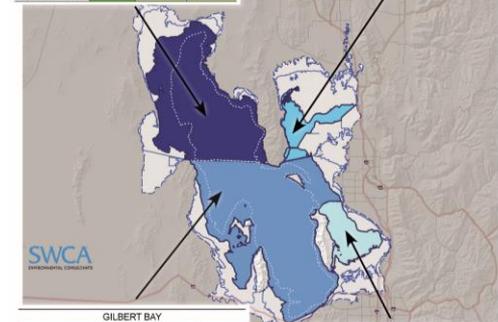
| Ecological Targets | Gilbert Bay | Gunnison Bay | Bear River Bay | Farmington Bay | OVERALL RANKING | Uncertainty ¹ |
|---|-------------|--------------|----------------|----------------|-----------------|--------------------------|
| System-wide Lake and Wetland | Good | | | | Good | Medium |
| Open Water | Good | Not ranked | Not ranked | Not ranked | Not ranked | Very High |
| Unimpounded marsh complex | Not ranked | Not ranked | Not ranked | Not ranked | Not ranked | High |
| Impounded wetland complex | Not ranked | Not ranked | Good | Poor | Not ranked | Very High |
| Mudflats and playas | Good | Very Good | Good | Good | Good | Low |
| Isolated island habitat for breeding birds | Good | Good | NA | NA | Good | Low |
| Alkali knolls | Fair | Very Good | Poor | Poor | Fair | Low |
| Adjoining grasslands and agricultural lands | Good | Good | Good | Good | Good | Low |
| SUMMARY | | | | | Good | Medium |

GUNNISON BAY

| Ecological Targets | Current Health | Health Uncertainty | Future Stress |
|--|----------------|--------------------|---------------|
| Open water of bays | Not ranked | Very High | Low |
| Unimpounded marsh complex | Not ranked | High | Low |
| Impounded wetlands | Not ranked | Very High | Low |
| Mudflats and playas | Very good | Low | Low |
| Isolated island habitat for breeding birds | Good | Low | Very High |
| Alkali knolls | Very good | Low | Low |
| Grasslands and agricultural lands | Good | Low | Low |

BEAR RIVER BAY

| Ecological Targets | Current Health | Health Uncertainty | Future Stress |
|-----------------------------------|----------------|--------------------|---------------|
| Open water of bays | Not ranked | Very High | High |
| Unimpounded marsh complex | Not ranked | High | Medium |
| Impounded wetlands | Good | Medium | Medium |
| Mudflats and playas | Good | Low | High |
| Alkali knolls | Poor | Low | High |
| Grasslands and agricultural lands | Good | Low | Low |



GILBERT BAY

| Ecological Targets | Current Health | Health Uncertainty | Future Stress |
|--|----------------|--------------------|---------------|
| Open water of bays | Good | Medium | High |
| Unimpounded marsh complex | Not ranked | High | High |
| Impounded wetlands | Not ranked | Very High | Very High |
| Mudflats and playas | Good | Low | Medium |
| Isolated island habitat for breeding birds | Good | Low | Very High |
| Alkali knolls | Fair | Low | High |
| Grasslands and agricultural lands | Good | Low | High |

FARMINGTON BAY

| Ecological Target | Current Health | Health Uncertainty | Future Stress |
|-----------------------------------|----------------|--------------------|---------------|
| Open water of bays | Not ranked | Very High | High |
| Unimpounded marsh complex | Not ranked | High | High |
| Impounded wetlands | Poor | Medium | Very High |
| Mudflats and playas | Good | Low | Very High |
| Alkali knolls | Poor | Low | Very High |
| Grasslands and agricultural lands | Good | Low | Medium |



GSLAC Annual Reports to the Legislature

Great Salt Lake Advisory Council

7th Annual Report to the Utah State Legislature
Natural Resources Appropriations Subcommittee
February 2017



"The Great Salt Lake Advisory Council is playing a vital role in helping to balance the many important uses of the Great Salt Lake. Now is the time to ensure this valuable natural treasure is protected for future generations."
— Governor Gary Herbert



Great Salt Lake Advisory Council

8th Annual Report to the Utah State Legislature
Natural Resources Appropriations Subcommittee
February 2018



"The Great Salt Lake Advisory Council is playing a vital role in helping to balance the many important uses of the Great Salt Lake. Now is the time to ensure this valuable natural treasure is protected for future generations."
— Governor Gary Herbert



Great Salt Lake Advisory Council

5th Annual Report to the Utah State Legislature
Natural Resources Appropriations Subcommittee
February 2015



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“To advise the governor, the Department of Natural Resources, and the Department of Environmental Quality on the sustainable use, protection and development of the Great Salt Lake”



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Is Good for...

- The salt and fertilizer industries
- The magnesium industry
- The brine shrimp industry
- The tourist industry



1.3 Billion annually for Utah's Economy



The Great Salt Lake & Human Health: A dry lake = increased dust storms = environmental hazard. Example: Owens Lake in CA.



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